

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/776,635  
Source: 1FW16  
Date Processed by STIC: 2/3/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/776,635

DATE: 02/03/2006

TIME: 11:51:48

Input Set : A:\1954-418.ST25.txt

Output Set: N:\CRF4\02032006\J776635.raw

Using

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3 <110> APPLICANT: Rossi, John J.
4     Castanotto, Daniela
5     Pfeiffer, Gerd
6     Tommassi, Stella
8 <120> TITLE OF INVENTION: Methods for Directing DNA Methylation in Mammalian Cells

9     Homologous, Short Double Stranded RNAs
11 <130> FILE REFERENCE: 1954-418
13 <140> CURRENT APPLICATION NUMBER: US 10/776,635
14 <141> CURRENT FILING DATE: 2004-02-12
16 <150> PRIOR APPLICATION NUMBER: US 60/447,013
17 <151> PRIOR FILING DATE: 2003-02-13
19 <160> NUMBER OF SEQ ID NOS: 15
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 176
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
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31 ttccattgcg cggtctctct cagctccttc ccgccgcccga gtctggatcc tgggggaggg      120
33 gctgaagtcg gggcccgccc tgtggccccg cccggccccgc gcttgctagc gcccac      176
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 180
38 <212> TYPE: DNA
39 <213> ORGANISM: Homo sapiens
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44 ttccattgcg cggtctctct cagctccttc ccgccgcccga gtctggatcc tgggggaggg      120
46 gctgaagtcg gggcccgccc tgtggccccg cccggccccgc gcttgctagc gcccacagcc      180
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50 <211> LENGTH: 300
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 3
55 agcgaagcac gggcccaacc gggccatgtc gggggagcct gagctcattg agctgcggga      60
57 gctggcaccg gctgggcgcg ctgggaaggc ccgcaccccg ctggagcgtg ccaacgcgct      120
59 gcgcacgcgc cggggcaccg cgtgcaaccc cacacggcag ctggtccctg gccgtggcca      180
61 ccgcttcacg ccgcgggggc ccgccacgca cacgtggtgc gacctctgtg gcgacttcat      240
63 ctggggcgtc gtgcgcaaag gcctgcagtg cgcgcgtgag tagtggtccc gcgcgcctac      300
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 41
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial

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71 <220> FEATURE:
72 <223> OTHER INFORMATION: PCR primer
74 <400> SEQUENCE: 4
75 aatcgaacgc gtggatccaa ggtcgggcag gaagagggcc t          41
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 20
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 5
84 gtggaaagga cgaaacaccg          20
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88 <211> LENGTH: 51
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial
92 <220> FEATURE:
93 <223> OTHER INFORMATION: PCR primer
95 <400> SEQUENCE: 6
96 ctacacaaaag gcgggcccccg acttcagcgc ggtgtttcgt cctttccaca a      51
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100 <211> LENGTH: 47
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial
104 <220> FEATURE:
105 <223> OTHER INFORMATION: PCR primer
107 <400> SEQUENCE: 7
108 aactcgaatt caaaaaagcg ctgaagtcgg ggccccccct acacaaa          47
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 51
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <223> OTHER INFORMATION: PCR primer
119 <400> SEQUENCE: 8
120 ctacacaaac gacatggccc ggttgggccc ggtgtttcgt cctttccaca a      51
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 47
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial
128 <220> FEATURE:
129 <223> OTHER INFORMATION: PCR primer
131 <400> SEQUENCE: 9
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135 <210> SEQ ID NO: 10
136 <211> LENGTH: 18
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial
140 <220> FEATURE:
141 <223> OTHER INFORMATION: MSP primer
143 <400> SEQUENCE: 10

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148 <211> LENGTH: 18
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152 <220> FEATURE:
153 <223> OTHER INFORMATION: MSP primer
155 <400> SEQUENCE: 11
156 gctaacaaac gcgaaccg                                18
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 24
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial
164 <220> FEATURE:
165 <223> OTHER INFORMATION: MSP primer
167 <400> SEQUENCE: 12
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171 <210> SEQ ID NO: 13
172 <211> LENGTH: 26
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial
176 <220> FEATURE:
177 <223> OTHER INFORMATION: MSP primer
179 <400> SEQUENCE: 13
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183 <210> SEQ ID NO: 14
184 <211> LENGTH: 51
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial
188 <220> FEATURE:
189 <223> OTHER INFORMATION: PCR primer
191 <400> SEQUENCE: 14
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195 <210> SEQ ID NO: 15
196 <211> LENGTH: 47
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial
200 <220> FEATURE:
201 <223> OTHER INFORMATION: PCR primer
203 <400> SEQUENCE: 15
204 aactcgaatt caaaaaaggg cccaaggccg ccatatcgct acacaaa    47

```

RAW SEQUENCE LISTING ERROR SUMMARY  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,6,7,8,9,10,11,12,13,14,15

**VERIFICATION SUMMARY**

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